



# भारत का राजपत्र

## The Gazette of India

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No. 32]

NEW DELHI, SATURDAY, AUGUST 7, 1971 (SRAVANA 16, 1893)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

### भाग III—खण्ड 2

### PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस

Notifications and Notices issued by the Patent Office relating to Patents and Designs

#### THE PATENT OFFICE

#### Patents and Designs

Calcutta, the 7th August, 1971

#### Special Notice

The following notification published in Part II, Section 3 (ii) of the Gazette of India, dated 22nd May, 1971 at pages 2860 and 2861 is reproduced below :—

#### MINISTRY OF INDUSTRIAL DEVELOPMENT AND INTERNAL TRADE

(Department of Industrial Development)

New Delhi, the 5th May, 1971

S.O. 2008.—In exercise of the powers conferred by Section 72 of the Indian Patents and Designs Act, 1911 (2 of 1911), the Central Government hereby appoints the Director General, Research Designs and Standards Organization, Ministry of Railways, Alambagh, Lucknow-5, as an authority for the purpose of the said section, and makes the following further amendment in the notification of the Government of India, in the late Ministry of Commerce and Industry No. S R O 681, dated the 23rd March, 1955, namely:—

In the said notification after item (40) and the entry relating thereto, the following item and entry shall be added, namely, :—

“(41) Director General, Research Designs and Standards Organisation, Ministry of Railways, Alambagh, Lucknow-5”.

[No. F. 33(9)-PP&D/71.]

HARGUNDAS, Under Secy.

#### Application for Patents

The dates shown in crescent brackets are the dates claimed under Section 78A of the Act.

M187GI/71

17th July 1971

132147. Council of Scientific and Industrial Research. Improvements in or relating to fertiliser coolers.

132148. Burmah Shell Oil Storage & Distributing Co., of India Limited. Apparatus for obtaining and dispensing a mixture of one liquid with another in a desired ratio [Divisional date 18th October 1969].

132149. Burmah Shell Oil Storage & Distributing Co., of India Limited. Apparatus for obtaining and dispensing a mixture of one liquid with another in a desired ratio. [Addition to No. 132148]. [Divisional date 11th February 1970].

132150. A. A. Desai. Portable, folding and aligning supporting device for torches.

132151. A. A. Desai. Device incorporating torch, stand and bracket into a single unit.

19th July 1971

132152. Julius Czirely. Contraceptive device

132153. R. A. Parikh. A novel device to indicate weight of any material in any container.

132154. J. C. Kattakayam. A process for simple method for manufacture of uria formaldehyde resin.

132155. J. N. Gadre. An electromagnetic device to start and to maintain within close limits the current of a fluorescent tube in spite of reduced supply voltage.

132156. Girling Limited. Improvements in or relating to serve motors. (24th July 1970).

132157. Clayton Dewandre Company Limited. Improvements in and relating to vehicle braking systems.

132158. Joseph Lucas (Industries) Limited. Contact breaker assemblies. (23rd July 1970).

132159. Velsicol Chemical Corporation. New chemical composition and process for its manufacture

132160. Dr. A. Wander Ltd. Improvements in or relating to organic compounds. (20th July 1970).
132161. Heinrich Koppers Gesellschaft Mit Beschränkter Haftung. Coal gasification plant.
132162. International Standard Electric Corporation. Improvements in television systems (18th March 1971). [Addition to No. 129186].
132163. Gosudarstvenny Vsesojuzny Nauchno-Issledovatel'skiy Institut Stroitel'nykh Materialov I Konstruktsiy. Method of making silicate concrete articles.
132164. The Birla Cotton Spinning and Weaving Mills Limited. Double grip shuttle tongue and shuttle.
132165. Dr. Narendra Kishore Roy and P. L. Yadav. A process for manufacture of buffalo evaporated milk.
132166. S. N. Nambiar. Alternate impeller rotary engine.
132167. Mrs. Bhanuben Ramanlal Mistri. Improvements in or relating to reels for winding silk, yarn or the like.

20th July 1971

132168. Council of Scientific and Industrial Research. Improvements relating to procedure for conducting chemical conversions.
132169. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Acyl derivatives of insulin and process for their manufacture.
132170. Fsb Incorporated. Improvements relating to electric batteries.
132171. Textron Inc. Locking device for a bearing or the like.
132172. Joseph Lucas (Industries) Limited. Ignition distributors (23rd July 1970).
132173. Joseph Lucas (Industries) Limited. Contact breaker assemblies. (23rd July 1970).
132174. Joseph Lucas (Industries) Limited. Ignition distributors for road vehicles (28th July 1970).
132175. Process Evaluation and Development Corporation. Method for processing fibrous stalks.
132176. J. L. Gibbs and J. W. Gibbs. Hydraulic tank assembly for a water closet.
132177. Vladimírsky Nauchno-Issledovatel'skiy Institut Sinteticheskikh Smol. Process for the production of phenol-aldehyde foamed plastics.
132178. C. M. Jain. Glazing bar.

21st July 1971

132179. Amsted Industries Incorporated. Stopper renewal device.
132180. Richter Gedeon Vegyeszeti Gyar R. T. Process for preparing 7-nitro substituted 1, 4-benzodiazepin-2-one derivatives.
132181. Richter Gedeon Vegyeszeti Gyar R. T. Process for preparing 1, 3, 4, 5-tetrahydro-2H-1, 4-benzodiazepin-2-one derivatives and salts thereof.
132182. Egvt Gyogyszervegyeszeti Gyar. New aminoadamantane salts and process for preparing same.
132183. Textilipari Kutató Intézet. Process for frequency analysis and device for the carrying into effect of the process.
132184. Monsanto Company. Asymmetric hollow fiber membranes and method of fabrication.
132185. O. L. Siwersson and K. G. Tell. Improvements in or relating to devices for guiding material to the

entrance end of a screw conveyor having a rotatable screw and a conduit therefor.

132186. Libbey-Owens-Ford Company. Soldering.
132187. Continental Oil Company. Apparatus for plating heat-resistant articles.
132188. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Water-soluble metal complex disazo dyestuffs and process for their preparation.
132189. Spofa Spojene Podniky Pro Zdravotnickou Vyrobu. The method of preparing methylpiperazine derivatives.
132190. Cough and Company (Hanley) Limited. Improvements in the electrophoretic casting of pottery. (3rd March 1971).
132191. Cellul Company Establishment. Method of making filter rods for tobacco products and filters and according to such method.
132192. United States Steel Corporation. Cement clinkers and method of making same. [Addition to No. 118028].
132193. Uss Engineers and Consultants. Inf. Apparatus for manipulating an oxygen injection lance.
132194. Imperial Chemical Industries Ltd. Drawing of synthetic filaments. (9th February 1970) [Divisional date 16th June 1970] [Addition to No. 127100].

22nd July 1971

132195. UCB, S. A. New derivatives of 2-pyrrolidinone. (24th July 1970).
132196. Dunlop Holdings Limited. Composite materials.
132197. Joseph Lucas (Industries) Limited. Braking system for vehicles (28th July 1970).
132198. Sherritt Gordon Mines Limited. Temperature control of ore in multiple hearth furnace. (August 4, 1970).
132199. Sita Prasad Banerjee. Letter sorting cabinet.
132200. P. D. Karapurkar. Ceiling fan with multi propellers driven by single motor and revolving.
132201. P. D. Karapurkar. Ceiling Fan with two propellers and revolving gear.
132202. P. D. Karapurkar. Three propellers rotating and revolving ceiling fan.
132203. S. S. Waysman. Road Marking.
132204. Mara Anstalt. Multi press for the dehydration of sheet products.
132205. K. Tomizawa. Buffer means between link and shoe plate in a crawler.
132206. Maschinenfabrik Rieter A. G. Continuous strands of fibres. (14th October 1970).
132207. Maschinenfabrik Rieter A. G. A spindle attachment for reduced-balloon spinning (19th November 1970).
132208. Maschinenfabrik Rieter A. G. Forming of a sliver from a fibre web produced in a card. (11th December 1970).
132209. Maschinenfabrik Rieter A. G. A bale reducing machine. (11th December 1970).
132210. Maschinenfabrik Rieter A. G. An apparatus for simultaneously removing and mounting a plurality of cops or tubes mounted on spindles in ring-spinning and ring-twisting machines. (17th December 1970).

132211. Maschinenfabrik Rieter A. G. Method and apparatus for doffing full bobbins and donning tubes on ring spinning and ring twisting machines (19th April 1971).

132212. Societe Fives Lille-Cail. Centrifugal air separator.

23rd July 1971

132213. Murphy Chemical Limited. Improvements in herbicidal compositions. (24th July 1970).

132214. Sherritt Gordon Mines Limited. Sampling device for multiple hearth furnace. (August 4, 1970).

132215. Sherritt Gordon Mines Limited. Electrostatic precipitator and gas sampling system. (4th August 1970).

132216. Scaled Power Corporations. Improvements in the manufacture of spacer-expanders. (11th May 1971).

132217. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the fixation of dyestuffs on textile materials of flat structure and sheets or films.

132218. Abildgaard Laboratories, Inc. Method of forming and casing books and product thereof.

132219. V. V. Benderovsky, A. I. Schepotiev, I. A. Yastredov and V. M. Kotenko. Mechanism for transportation of an information carrier.

132220. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the preparation of allyl acetate.

132221. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the manufacture of fluorine containing polymers.

132222. Brohighbu, Ltd. Fine grading device for rubber tire road grader.

132223. Kalli Aktiengesellschaft. Light-sensitive copying composition for use in the manufacture of screen printing stencils.

132224. Industrie Pirelli Societa Per Azioni. Breaker structure, of radial cord carcass tyres. (29th April 1971) [Addition to No. 129182].

#### Alteration of Date

125483. The claim to priority date 11th March 1969 has been abandoned and the application dated as of 26th February 1970, the date of filing in India.

128330. The claim to priority date 9th September 1969 has been abandoned and the application dated as of 8th September 1970, the date of filing in India.

132148. Ante-dated to 18th October 1969 under Section 5 of the Act.

#### Application Accepted

Notice is hereby given that all persons interested in opposing the grant of patents on any one of the applications referred to below may at any time within four months of the date of the Gazette of India give notice to the Patents Office in the prescribed Form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Government of India book Depot, 8, Hastings Street, Calcutta in due course. The price of each specification is Rs 2 (postage extra, if sent out of India). Requisition for the supply of printed specifications should be accompanied by the number of specifications as shown in the following list.

If required typed copies of the specifications together with copies of drawings, if any, can be supplied by the Patent Office on payment of the necessary charges which may be ascertained on application to the Office.

The dates shown in crescent brackets are the dates allowed under Section 78A of the Act.

121329. Institut Francis Du Petrole, Des Carburants Et Lubrifiants. Improved process for the production of protein by the cultivation of microorganisms. Accepted on 15th July 1971.

*Comprising contacting in presence of a gas containing molecular oxygen a micro organism with a liquid hydrocarbon feed stock an assimilable nitrogen and phosphorous source, oligoelements growth factors and minerals.*

123585. B. V. Rao. Pump Accepted on 15th July 1971.

*Comprises a tube or container one end of which is in flow communication with a sum while the other end is in flow communication with the delivery pipe, a non-return valve and means for imparting vibrations to said tube or container.*

123586. M. R. Tembe. Method and means for continuous casting of metals of required sections. Accepted on 15th July 1971.

*Wherein duly one of the rollers has flanges at its ends to partly hold between its flanges the other unflanged roller, powering the molten metal in a trough formed between the flanged roller and the unflanged roller, adjusting the gap between the two rollers, squeezing the said two layers through the rollers, and subjecting the cast metal to cooling and passing through a set of guide rollers and pinch rollers.*

123623. Burmah-Shell Oil Storages & Distributing Co., of India Limited. Twin three-way cock and apparatus incorporating the same, for measuring and dispensing measured quantity of a liquid. Accepted on 19th July 1971.

*Comprising a body member with a base hole provided with a meeting rotatable stopper having two sets of three way openings, the body member having two sets of lead holes, each set having three openings, the leading opening extending as series of inlet and outlet members from said body member.*

123636. Starvropolskoetotdelenie Vsesojuznogo Nauchno-Issledovatel'skogo i Proektno-Konstruktor'skogo Instituta Elektroapparatov. Plug-and socket connector. Accepted on 20th July 1971.

*Comprising a female receptacle member, a male plug member, a coupling locking assembly, and spring means axially biasing first ring towards the second ring providing the fixation of extreme positions, locked-unlocked, of external nut and constant compensation of sealing gasket.*

123831. Nitrochill Limited. A cryogenic filling valve and a high pressure gas cylinder incorporating the same. Accepted on 21st July 1971.

*Comprises a body adapted to be connected in a gas tight manner to an inlet of a gas cylinder, a first passageway and a second passageway extending through said body, a first valve means for opening and closing said first passageway and second valve means for controlling the rate of gas passage from said second passageway.*

123893. Bown Boveri & Company Limited. Method and apparatus for welding a pipe. Accepted on 17th July 1971.

*Including a primary induction turn substantially coaxially arranged around a secondary induction turn terminating in inwardly directed contacts with contact faces spaced from the secondary turn.*

123928. A. H. Robins Company Incorporated. Intrauterine contraceptive device. Accepted on 21st July 1971

*Comprising a ring, a membrane attached to the ring along its opposite thereof and extending therebetween, and a plurality of spurs.*

124027. Opyino-Konstruktorskoe Bjuro Vsesojunznogo Nauchno-Issledovatel'skogo Instituta Kriogennoego Mashinostroyeniya. Logical device for controlling step electric motor. Accepted on 20th July 1971.

*Includes a memory unit, the like places of reversible binary counters being formed by a single element with several stable states whose number is equal to the number of places of the step electric motor.*

- 124049 Nippon Kokan Kabushiki Kaisha. Improvements relating to the manufacture of cold rolled steel. Accepted on 19th July 1971.

*The cold reducing being carried out in one stage at a rate of 65 to 85%, or in two stages at respective rates of more than 30% and more than 50%, the annealing being conducted within the range of 630°C and 850°C and respectively in one stages in a decarborising or decarborising denitrifying atmosphere, or in an intermediate and a final stage of which one is in a decarborising or decarborising denitrifying atmosphere and the other in a reducing atmosphere.*

124218. British Insulated Callender's Cables Limited. Improvements in or relating to telecommunication cables. Accepted on 20th July 1971.

*Comprising at least one group of conductors, each conductor having an individual dielectric coating of cellular plastics material, a water proof sheath enclosing the group or all of the groups, the interstices between the insulated conductors of the or each group and between them and a surrounding covering from end to end of the cable length being filled with a body consisting at least in part of resilient cellular plastics material*

124317. P. K. Sanghvi, K. S. Sanghvi, S.R. Ranghvi, V. B. Sanghvi and M. B. Sanghvi. A safety valve for a pressure cooker and a pressure cooker in combination with the same. Accepted on 22nd July 1971.

*Comprising bolt fitted on lid of cooker, a cap with steam escape holes, a valve seat spring loaded valve pin, valve with collar spring being seated on said collar pin being guided during its travel.*

124679. Fosco International Limited. A method of protecting ingot mould, against erosion by molten metal. (3rd January 1969). Accepted on 21st July 1971.

*Which comprises a particulate refractory material comprising crushed aluminium slags and inorganic binding agent, dispersed in a liquid medium*

- 124822 Sandoz Ltd. Process for the production of concentrated solutions of cationic dyes. Accepted on 13th July 1971

*Comprises reacting cationic dye dissolved in presence of water and/or organic solvent with salt to yield more soluble dye to cause exchange of anion.*

124823. Sandoz Ltd. Process for the production of concentrated solutions of cationic dyes. Accepted on 13th July 1971.

*Comprises reacting cationic dyes of dissolved in organic solvent with salt of carboxylic acid to form more soluble dye salt and cause exchange of anions.*

124825. Robert Bosch GMBH. Improvements in or relating to sparking plugs for internal combustion engines. Accepted on 13th July 1971.

*In which an insulator disposed between a centre electrode and a plug body has, on its outer surface between the free or connecting end of the centre electrode and the plug body, grooves in the form of recesses with a trapezoidal cross-section.*

124827. Monsanto Company. Method of curing elastomeric article and apparatus therefor. Accepted on 13th July 1971.

*By embedding a probe in an elastomeric article.*

124845. K. Zangl. A tire vulcanising mold. Accepted on 21st July 1971.

*Characterised in that the profile parts have a long profile skirt on one side while on the opposite profile segment side, the profile skirt is separate and arranged on the tire mold part.*

124902. Imperial Chemical Industries Limited. Improvements in the polymerisation of ethylene. (20th January 1969). Accepted on 16th July 1971.

*By carrying out the polymerisation at high pressure and elevated temperature in the presence of a catalyst comprising a compound of a transition metal which is capable of polymerising ethylene and an allylic compound.*

124923. Metallgesellschaft A. G. Process of directly reducing iron oxide-containing materials in a rotary kiln. Accepted on 19th July 1971.

*Characterized in that the reducing agent comprises highly reactive coal, which disintegrate at the kiln temperature, this coal being distributed over the length of the reduction zone so that reaction occurs at each zone whereby the carbon content in the matter discharged from the kiln is below 1.5%.*

- 124924 Metallgesellschaft A. G. Process and apparatus for a thermal treatment of materials on travelling grates, such as pretreatment of iron oxide containing materials. Accepted on 19th July 1971.

*Characterized by the blocking of to a large extent the uncontrolled admission of the exhaust gases from the rotary kiln to a first firing section of the travelling grate, the blocking being effected at the discharge end of the grate before a first suction box*

124927. Metallgesellschaft A. G. Tube furnace for thermal splitting or cracking of hydrocarbons. Accepted on 20th July 1971

*Tube splitting or cracking furnace for cracking of hydrocarbons having a convection zone and a radiation zone and a number of reaction tubes disposed in said radiation zone characterised in that a nozzle is arranged at the inlet end of each individual tube arranged parallelly, the dimension of the nozzle being so arranged as to provide a definite relationship between the pressure at the narrowest region of the nozzle and the below the nozzle.*

124938. Ciba Limited. New diazo pigments, processes for their manufacture and materials pigmented therewith. Accepted on 20th July 1971.

*Comprises (i) condensing a carboxylic acid halide with a para phenylen diamine or a para-diamino diphenyl or (ii) coupling a diazo or diazoamino compound of an amine with a 2, 3 hydroxy naphthoic acid anhydride.*

124942. Farbwerke Hoechst Aktiengesellschaft vormals Meister, Lucius & Bruning. Process for the manufacture of carbon tetrachloride. Accepted on 19th July 1971.

*Process for the manufacture of carbon tetrachloride in the absence of catalysts which comprises reacting the benzene mixture of benzene and chlorinated aliphatic compounds or chlorinated aromatic compounds and chlorine in stoichiometric proportions or with an excess amount of chlorine of upto 300%, the improvement being carrying out the reactions in the pre-reaction zone and in the main reaction zone under a pressure in the range of from 200 to 700 atmospheres gauge.*

124971. Rhone-Poulenc S. A. Process for the preparation of new organo-phosphorus compounds and compositions containing them. Accepted on 22nd July 1971.

*Comprises reacting O, O-diethyl chloro thiophosphate with an indazole derivative.*

- 124972 Rhone-Poulenc S. A. New phosphoric esters, process for their preparation and compositions containing them. Accepted on 21st July 1971.

*Comprises a reacting a phosphorous compound with an indazole derivative.*

124977. Otis Elevator Company. Speed dictation apparatus for elevator motor control system. Accepted on 22nd July 1971.

*Characterised on each trip time control generating means generate a signal on each trip which operable to accelerate the car at predetermined constant rate.*

- 125036 C. Conrady. Hollow electrodes. (12th December 1969). Accepted on 19th July 1971.

*Containing titanium metal for a compound of titanium as an electric arc stabiliser.*

125050. United Kingdom Atomic Energy Authority. Improvements in or relating to the method of reducing wear. (7th February 1969). Accepted on 19th July 1971.

*Provision over the whole of one of the surfaces of a material which does not form a carbide at a temperatures likely to prevail at the said surface.*

125075. Varta Gesellschaft mit beschränkter Haftung. Cup shaped separator for use in galvanic primary cells provided with a rod shaped metallic generating electrode and methods of its production. Accepted on 17th July 1971.

*Comprises atleast one strip of separator material wound and glued to produce a sleeve which is closed at one end by a bottom disc or by a cup.*

125167. Rhone-Poulenc S. A. Process for the production of oxalic acid in three stages. [Addition to No. 109764]. Accepted on 19th July 1971.

*A process for the preparation of oxalic acid which comprises introducing propylene into nitric acid, heating the solution obtained and simultaneously removing the nitrous fumes formed so that the concentration thereof, expressed as No. 2, is maintained between 1% and 10% by weight.*

125174. International Combustion (Holdings) Limited. Fluid flow apparatus. (7th February 1969) Accepted on 19th July 1971.

*Includes at least one fluid flow path at least one side of the or each flow path being a flexible shut, a plurality of discrete members disposed at intervals along the shut.*

125227. Danfoss A/S Control system for an alternating current motor. Accepted on 19th July 1971.

*Characterised by having means for deducting voltage value derive from inverted converter means for urging so corrected voltage as the control or regulating factor.*

125254. The Dunlop Company Limited. Flame resistant polyurethane paints and a process for their production. (22nd February 1969). Accepted on 21st July 1971.

*Reacting a polymeric polyol and an organic polyisocyanate in the presence of a blowing agent, in a foam forming reaction mixture in which there*

*is incorporated flame retardant which is a pydroxy polyoxy alkene derivative of a substance obtained by the condensation of a phenol with an alkyl ketone*

125270. Otis Elevator Company. Elevator control system. Accepted on 21st July 1971.

*Comprises traffic signifying means individual to each zone, each being actuated in response to the existence of a predetermined level of traffic in its associated zone, and zone demand switch means individual to each zone, each being responsive to the actuation of its associated traffic signifying means.*

- 125274 Gibbsite Corporation of America Improvements in or relating to process of separating alumina from siliceous material. Accepted on 17th July 1971.

*Slurrying the sand with water and a reagent in an amount sufficient to cause separation of the siliceous material from the alumina and to permit settling of heavy silica values.*

125475. The Firestone Tire & Rubber Company. Reciprocating multiple conductor support. Accepted on 19th July 1971.

*Comprising a shoe having support for conductors extending beyond them, bed, means for clamping at least one conductor and means for holding other conductors.*

125443. Farbenfabriken Bayer Aktiengesellschaft. O-chloro- or O-Bromo-alkyl-Sbenzyl-S'-alkyldithiol-phosphoric acid esters, process for their preparation and fungicidal insecticidal or acaricidal compositions containing the same. Accepted on 21st July 1971.

*Characterized by reacting 2, 6-dichlorobenzyl mercaptan with S-ethyl-O-[1-chloropropyl-(2)]-thiol phosphoric acid in presence of triethylamine to produce S-ethyl-O-[1-chloropropyl-(2)]-S'-(2, 6-dichlorobenzyl)-dithiol phosphoric acid ester.*

125483. John Lysaght (Australia) Limited. Storage silos. Accepted on 21st July 1971.

*Characterised in that a spreader plate mounted inside the silo stored material able to deflect towards side wall during travel from filler opening to draw off station*

125556. Siemens Aktiengesellschaft. Improvements in or relating to telecommunications apparatus. Accepted on 15th July 1971.

*Comprising modules which can be installed in racks and cabinets, and consisting of carriers for plug-in component assemblies and located relative to one another at the top and the bottom by dowel pins and laterally secured by plates at either side of the assembly by screws.*

- 125604 Council of Scientific and Industrial Research. Improvement in or relating to the electrochemical production of iron powder from mill scale produced during rolling operations in steel rolling mills or materials of similar nature. Accepted on 20th July 1971.

*Comprising direct electrochemical reduction of scales on a metal substrate, the container itself being cathode, with anode of mild steel etc., wire mesh disposed over the bed of mill scale and mounted on a frame to facilitate uniform distribution of current.*

- 125732 A Taher. A universal joint. Accepted on 21st July 1971.

*Comprising pair of spherical member connected to rod members pair of parallel plate secured with conventional fasteners and on the oppositely disposed faces two pairs of locating means press locating one of spherical members*

125790. Siemens Aktiengesellschaft. Semiconductor units. Accepted on 17th July 1971.

*Comprising means for cooling the disc cell, comprising heat sink, a duct communicating with the heat sink and a source of cooling fluid, and sealing means between heat sink and means for applying pressure to the components within the frame.*

126077. T. K. R. Rao. An improved time switch. [Addition to No. 114443]. Accepted on 22nd July 1971.

*Comprising a clock mechanism, hand capable of moving on scale, stud with concavity or convexity with one pointer disposed over another time scale, two electrical contact points adopted to make and break electrical contacts.*

126317. Tea Research Association. Improvements in the treatment of tea waste for the preparation of black tea. (30th April 1969). Accepted on 19th July 1971.

*Process of treatment tea waste which comprises extracting tea waste with an organic solvent medium containing water to yield a product containing theaflavin and/or a theaflavin gallate and recovering the product.*

126371. Director General, Research Designs & Standards Organization. An elastic fastening device. [Addition to No. 115529]. Accepted on 19th July 1971.

*Wherein the securing means comprise a body or an insert cast with the sleeper body or fixed thereto and having sloping surface over which the inner legs of the elastic fastening are constrained to slide over to engage rear and when sealed in recesses, the legs adopt their final position to bear against the edge of the foot of the rail(R) and the outer leg depresses the foot of the rail.*

126497. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the manufacture of pivalolactone. Accepted on 21st July 1971.

*Process for the manufacture of pivalolactone which comprises reacting the anhydride of a  $\beta$ -acyloxypropionic acid or the mixed anhydride of a  $\beta$ -acyloxypropionic acid with an aliphatic carboxylic acid at a temperatures within the range of from 150°C to 350°C in the presence of a catalyst supported on a carrier.*

126512. Argus Chemical Corporation. Stabilizer composition for asbestos-filled polypropylene polymers. Accepted on 21st July 1971.

*Comprising polycyclic phenol with two aromatic phenolic nuclei linked by polyvalent linking group with 2-20 C-atoms and elemental sulphur in 4:1 to 15:1 ratio.*

126578. Rotary Hoes Limited. Tillage device (10th May 1969). Accepted on 20th July 1971.

*Comprising a plurality of rotary tillage members on a shaft and soil erupting members extending downwardly to the rear of the tillage member and having a shank secured to the frame of the device and a pointed to engaging the soil.*

126668. Jute Industries Limited. Textile yarn spun from natural or man-made staple fibres and a method of and apparatus for producing same. Accepted on 21st July 1971.

*In which the yarn has a fine wrapping material extending helically and extending thereof.*

126731. F. Hoffmann-La Roche & Co., Aktiengesellschaft. Nitrosodisulfonates and process for their preparation. Accepted on 21st July 1971.

*Subjecting an aqueous medium containing a hydroxyl amine disulfonate to electrolysis.*

126809. A. R. Wilfley and Sons, Inc. Centrifugal pump. Accepted on 16th July 1971.

*A follower plate means disposed between the intake chamber means and the casing means, runner means rotatably supported within said casing means and having impeller vanes thereon.*

127247. Cluett, Peabody & Co., Inc. Button delivering device. Accepted on 17th July 1971.

*Comprising a frame attached to the sewing machine, a clamp mounted on the frame, a first air cylinder, a shaft and a sleeve disposed about the shaft, a chute for feeding buttons, a button engaging means and means for returning the engaging member to the starting position.*

127440. Mrs. Prabha Shridhar. A decorative laminate. Accepted on 19th July 1971.

*Comprising a fabric, a backing material adhered to one side of the fabric and a protective layer of a thermoplastic resin adhered to on the other side of the fabric.*

127517. Siemens Aktiengesellschaft. Improvements in or relating to arrangements for measuring currents in high tension conductors. Accepted on 17th July 1971.

*Wherein a modulating device contains a reflector which oscillates with an amplitude which is a function of the current being measured and modulating the light radiation incident upon it from a transmitter and reflects it on to a receiver.*

127838. Chemical Construction Corporation. Process for steam reforming of hydrocarbon. Accepted on 19th July 1971.

*A steam reheat cycle is employed in conjunction with a gas reforming process in which a hydrogen rich synthesis gas is compressed in a gas compressor driven by a steam turbine.*

128033. The Goodyear Tire & Rubber Company. Improvements in viscosity reduction of ethylene glycol terephthalic acid mixtures at high temperatures. Accepted on 19th July 1971.

*By mixing terephthalic acid and glycol and about 1 to 15% of a compound selected from bis(hydroxyethyl) terephthalate, dimethyl terephthalate dimethyl isophthalate, sebacic acid azelaic acid, low molecular weight polymer and mixtures thereof.*

128128. A. V. Limited. Liquid fuel injection pumping apparatus (1st October 1969). Accepted on 20th July 1971.

*Wherein there is provided a one way valve in a conduit and through which fuel flows from a box containing a shuttle to the pump and a fluid pressure operated member controlling to minimise fuel flow into the pump after the shuttle has contacted the stop.*

128264. N. V. Philips Gloeilampenfabrieken. Improvements in or relating to a method of forming electrical connections between contact areas on a semiconductor device, on the one hand, and supply conductors on the other. Accepted on 21st July 1971.

*The pairs of contact areas and associated points of attachment between which connection made, are positioned on lines which pass through one centre and the distances of the said pairs of areas and points from the centre are made relatively different.*

128302. Ciba Limited. Pesticidal compositions containing dithiophosphonates. Accepted on 21st July 1971.

*Pest control composition which contains as active ingredient a dithiophosphonate compound in the concentration range of 0.02% to 60% by weight one or more of a solvent diluent, emulsifier etc.*

128330. Antousteel (Proprietary) Limited. Improvements in or relating to the processing of scrap metal. Accepted on 20th July 1971.

*Compacting a quantity of the scrap metal without substantial oxidation, jacketing the mass in a substantially air tight jacket, causing a reducing gas, by applying heat to reduce surface oxides present on the scrap, hot working the deoxidised jacketed mass to form the homogeneous product.*

128344. Aktieselskabet Niro Atomizer. Process for producing cement from cement slurry and a plant for carrying out the process. Accepted on 7th July 1971.

*Exhaust gas issuing from kiln is heat exchanged with spray dried material to such a degree that the temperature of the gas does not drop to below 750°C while the spray dried material is heated to at least 550°C.*

128508. Phillips Petroleum Company. Process for producing carbon black. Accepted on 17th July 1971.

*Comprising a hydrocarbon and dispersant, said feed being introduced in a plurality of streams at elevated pressure, and causing said streams to converge in impinging relationship to produce a concentrated mass of reactant hydro-carbon.*

128513. Danfoss A/S. Freezing-point thermostat. Accepted on 20th July 1971.

*Having water and an additive which contains a material insoluble in water and atleast one water soluble material.*

128884. Imperial Chemical Industries Limited. Manufacture of 1, 1'-disubstituted-4, 4'-bipyridylum salts. (21st October 1969). Accepted on 20th July 1971.

*N-substituted pyridinium salt having a -COOH group in the 4-position or a salt thereof is reacted with cyanide ions and the resulting product is oxidised.*

128902. Lone Star Steel Company. Thermodynamic cyclone separator. Accepted on 17th July 1971.

*Contaminated carrier gas is driven by and mixed with fluid supplied at a temperature and pressure such that droplets of the fluid are formed which encapsulate the particulates, then separating the droplet for carrier gas.*

129094. N. V. Philips Gloeilampenfabrieken. Semiconductor device. Accepted on 17th July 1971.

*Comprising a region of one conductivity type adjoining a surface of the body, a group of semiconductor circuit elements present in said region and having a common zone.*

129420. Miss Marcel. Improvements in or relating to applicators for applying shaving lotions and like liquid preparations. Accepted on 16th July 1971.

*Wherein the cap is by means of a partition wall divided into a lower compartment adapted to fit on the mouth of the container, and an upper compartment which serves as a housing for a rotatable ball or rollers, the partition wall is provided with an aperture for permitting the lotion to percolate there through, the partition wall is provided with socket for supporting the rotatable ball.*

129695. Joseph Lucas (Industries) Limited. Full wave rectifier assemblies. (31st December 1969). Accepted on 20th July 1971.

*Includes a metal body, a pair of conductive terminal members, n conductive connectors, and n pairs of diodes, characterised by their connections, said conductive connectors or said terminal members being constituted by conductive plates secured to the body by a heat conductive adhesive.*

132148. Burmah-Shell Oil Storage & Distributing Co., of India Limited. Apparatus for obtaining and dispensing a mixture of one liquid with another in a desired ratio. [Divisional date 18th October 1969]. Accepted on 19th July 1971.

*Comprising a measuring vessel for the second liquid, means to fill the vessel, means to cause the said liquid to flow under pneumatic pressure, means to measure first liquid, means to discharge second liquid into the stream of first liquid into a common discharge nozzle.*

### Opposition Proceedings

#### (1)

An opposition has been entered by J. G. Glass Industries Private Limited to the grant of a patent on application No. 119336 made by Alimahomed Chhaganbhai Padamsee.

#### (2)

An opposition has been entered by The Metal Box of India Limited to the grant of a patent on application No. 121064 made by Aspi Rustomji Balsara.

### PATENTS SEALED

117011.	117331.	117704.	117822.	118125.	119178.	119584.
120650.	120674.	120822.	120853.	120855.	120913.	120940.
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#### (II)

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### Renewal Fees Paid

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 120277.

#### Cessation of Patents

61420. 61422 61429. 61430. 61431. 61433. 61435. 61436.  
 66204 66213. 66215.

#### Registration of Assignments, Licences, etc. (Designs)

Assignments, licences or other transaction affecting the interest of the original proprietors have been registered in the following cases. The number of each case is followed by the names of the applicants for registration :—

130531 — M/s Two Dimonds Appliances Pvt. Ltd.  
 132703 — M/s Two Dimonds Appliances Pvt. Ltd.

131920  
 131921  
 131922  
 131923  
 131924  
 131925  
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 131928  
 131929  
 131930  
 131931  
 131932  
 131933

M/s. Blow Plast Private Limited.

132384  
 132385

M/s. Blow Plast Private Limited.

#### Registration of Designs

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Indian Patents and Designs Act.

The date shown in each entry is the date of registration of the designs including the entry.

The dates shown in crescent brackets are the dates claimed under Section 78-A of the Act.

Class 4. No 138519. J. L. Morison, Son & Jones (India) Ltd., a company incorporated in India and having its registered office at "Crystal 79", Dr. Annie Besant Road, Worli, Bombay 18, Maharashtra. "Feeding bottles" March 22, 1971.

#### Copyright Extended for a Second Period of Five Years

Design No. 128191 Class—1.

Design Nos. 127750. 128916, to 128920 Class—3.

#### Copyright Extended for a Third Period of Five Years

Design Nos. 109164, 128693, and 109458 Class—1.

Design Nos 111298, 110473, 110474 to 110476 Class—3.

S. VEDARAMAN,  
 Controller General of Patents,  
 Designs and Trade Marks.